

## POWER PENTODE

GENER	AL DATA		
Electrical:			
Heater, for Unipotential Cathology Voltage	No.3,	0.5	volts . amp μμf μμf
Mechanical:			,,
with Exte Intermediate-Shel or Short	Il Octal 7-P Intermediaternal Barrier I Octal 6-Pi Intermediaternal Barrie		73/4" 9/32" ction T-9 (7-7), 7-Pin (5-9), (6-Pin (6-84) 7S
AF POWER AMPLI	FIER - Class	A	
   Maximum Ratings, Design-Center	· Values:	·	
PLATE VOLTAGE		. 315 max. . 285 max.	volts volts
Positive bias value GRID—No.2 INPUT		. 2.8 max. 8.5 max.	volts watts watts volts
Heater positive with respect  Without external shield.  Pin 1 as well as pin 6 is omitted	to cathode	, 200≜max.	volts
: See next page.		→ Indicates a c	hanss

# 6Kb-CT



Typical Operation and Characteristics:	1
Plate Voltage       100       250       315       volt         Grid-No.2 Voltage       100       250       250       volt         Grid-No.1 Voltage       -7       -18       -21       volt         Peak AF Grid-No.1 Voltage       7       18       21       volt         Zero-Signal Plate Current       9       32       25.5       m         MaxSignal Plate Current       9.5       33       28       m         Zero-Signal Grid-No.2       7       10       5       5       5	S S S
Current 1.6 5.5 4 m. MaxSignal Grid-No.2 Current	1
Plate Resistance (Approx.). 104000 90000 110000 ohm   Transconductance	5 5
Maximum Circuit Yalues:	
Grid-No.1-Circuit Resistance: For fixed-bias operation 0.1 max. megohn For cathode-bias operation 0.5 max. megohn	
PUSH-PULL AF POWER AMPLIFIER - Class A	
Maximum Ratings, Design-Center Values:	1
PLATE VOLTAGE	
Positive bias value 0 max. volts GRID-No.2 INPUT 2.8 max. watts PLATE DISSIPATION 8.5 max. watts PEAK HEATER-CATHODE VOLTAGE: Heater negative with respect to cathode. 200 max. volts Heater positive with respect to cathode. 200 max. volts	
Typical Operation:	
Values are for 2 tubes	
Fixed Bias Cathode Bias	
Plate Voltage	
Peak AF Grid-No.1-to- Grid-No.1 Voltage 51 51 volts Zero-Signal Plate Current . 55 55 ma	
MaxSignal Plate Current . 72 61 ma Zero-Signal Grid-No.2 Current 9 9 ma	-
MaxSignal Grid-No.2 Current	
♣: See next page.	
6-56 TUBE DIVISION DATA 1	-

-DO TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY



## POWER PENTODE

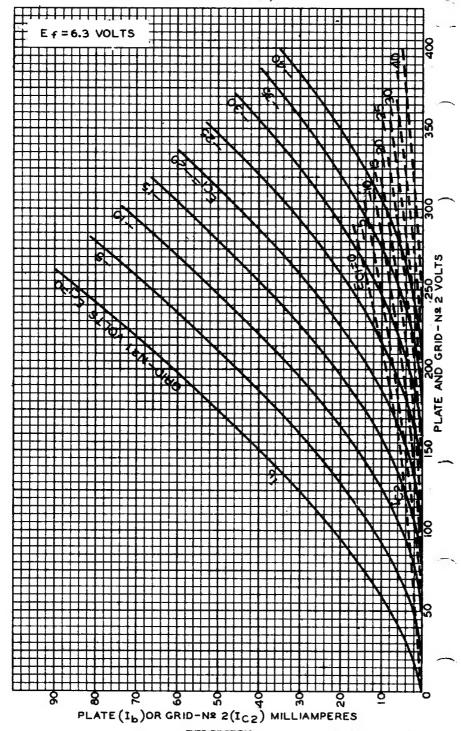
	Fixed Bias Cathode Bias						
	Effective Load Resistance (Plate to plate) 12000 12000 ohms Total Harmonic Distortion 6 4 % MaxSignal Power Output 10.5 9.8 watts						
-	Maximum Circuit Values:	1					
	Grid-No.1-Circuit Resistance: For fixed-bias operation 0.1 max. megohm For cathode-bias operation 0.5 max. megohm						
AF POWER AMPLIFIER - Class A							
_ :	Triode Connection - Grid No.2 Connected to Plate						
	Characteristics:						
	Plate Voltage						
	VERTICAL DEFLECTION AMPLIFIER	-					
	Triode Connection - Grid No. 2 Connected to Plate	1					
	Maximum Ratings, Design-Center Values Except as Noted:						
	For operation in a 525-line, 30-frame system						
	DC PLATE VOLTAGE						
	PEAK NEGATIVE-PULSE GRID-No.1 VOLTAGE250 max. volts CATHODE CURRENT:						
	Peak						
	PLATE DISSIPATION 7 max. watts PEAK HEATER-CATHODE VOLTAGE:						
_	Heater negative with respect to cathode. 200 max. volts Heater positive with respect to cathode. 200 max. volts						
	Maximum Circuit Values:						
	Grid-No.1-Circuit Resistance: For cathode-bias operation 2.2 max. megohms						
-	The dc component must not exceed 100 volts.  As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations", Federal Communications Commission.  This rating is applicable where the duration of the voltage pulse does not exceed 15 per cent of one vertical scanning cycle. In a 525-line, 30-frame system, 15 percent of one vertical scanning cycle is 2.5 milliseconds.  Under no circumstances should this absolute value be exceeded.						
	← Indicates a change.						

DATA 2





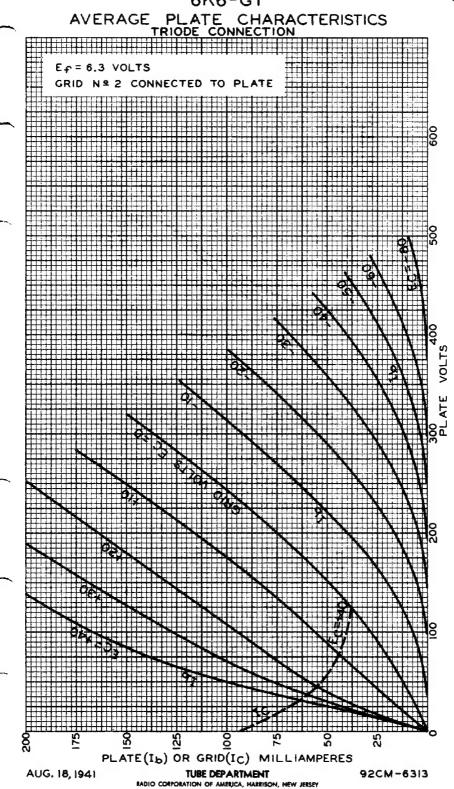
### AVERAGE CHARACTERISTICS



TUBE DIVISION RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

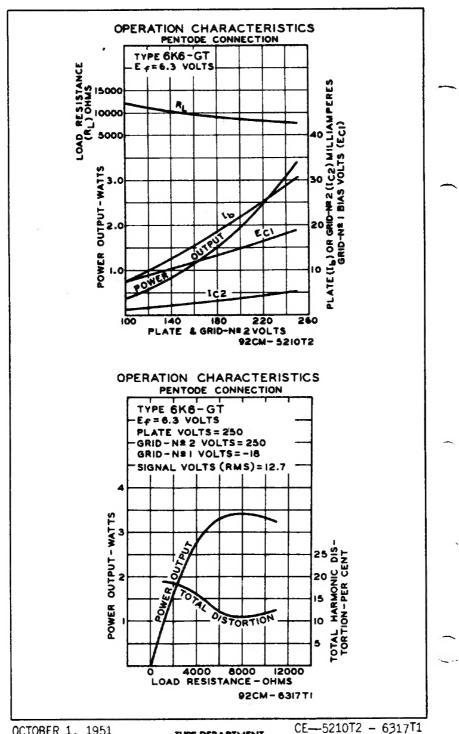
92CM+5209R2







## 6K6-GT POWER PENTODE

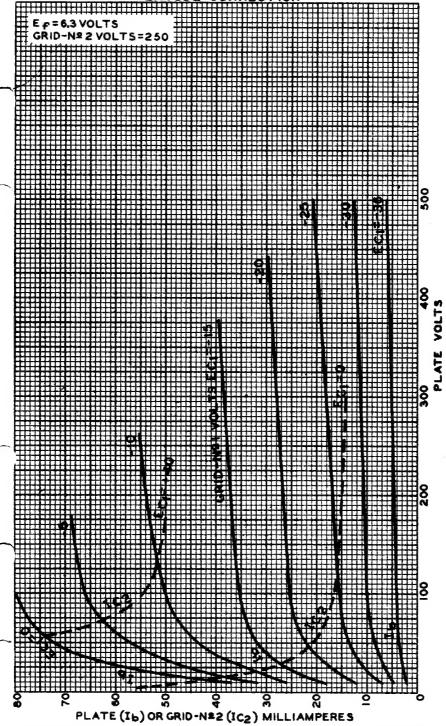


OCTOBER 1, 1951

TUBE DEPARTMENT



## AVERAGE PLATE CHARACTERISTICS PENTODE CONNECTION



FEB.13,1948

92CM-488IR2

TUBE DEPARTMENT

648CJ.



# AVERAGE PLATE CHARACTERISTICS PENTODE CONNECTION

